

CLAIMS

What is claimed is:

1. A portable player for videodisc with a screen which can rotate in
upturn and/or turn around, including a main body comprising a disc driver means and
a disc information read/processing means and a display cover board with a display
5 screen; an upturn hinge means is set at a side edge of the main body and a side edge
of the display cover board; a cable connects between the main body and the display
cover board;

Wherein the main body of the upturn hinge means is T shaped cannula,
the horizontal end of the cannula is fixed on the side of the display cover board and is
10 a shaft having a damper; the vertical end is used as a rotation shaft which is mounted
on the main body; a cable across through the inner hole of the main body of the
upturn hinge means to make the main body of the player and the display cover board
connected; the display cover board can rotate within 180 degrees relatives to the
vertical axes and the horizontal axes of its main body respectively.

2. The portable player for videodisc with a screen which can rotate in
upturn and/or turn around of claim 1, wherein there is a recess in the centre of the
rear end of the display cover board; the horizontal end of the body of the upturn
hinge means is disposed in the recess, a end of the horizontal end of the body of the
5 upturn hinge means is a hollow pipe for installing cables, it extends into a side wall
of the recess to enable the hinge, the other end is tightly stick to the another side wall
of the recess and the turning free end of the damper is received therein, the fixed end
of the damper is secured to the rear portion of the side wall of the recess; the centre of

the back wall of the upper surface of the main body has a upright hole, the vertical end of the body of the upturn hinge means is inserted into the upright hole.

3. The portable player for videodisc with a screen which can rotate in upturn and/or turn around of claim 2, wherein the damper is of a key shape, of which the shaft head has a plurality of C-shape rub pieces with protruding ears at their periphery and these protruding ears are lined in a line forming a protruding ridge, the
5 piece-shaped tail portion of the damper has a fixed hole; there is a slot set in the inside wall of the end of the horizontal end of the upturn hinge means for installing the damper, the head portion having rub pieces of the damper inserts into the above end of the upturn hinge means and the protruding ridge is stick to the said slot; a screw cross through the fixed hole in the end of the damper fixed the damper onto the
10 back of side wall of the recess of the display cover board.

4. The portable player for videodisc with a screen which can rotate in upturn and/or turn around of claim 1 or claim 2 or claim 3, wherein there is a locating tray at the interface of the vertical end and the horizontal end of the body of the upturn hinge means, the bottom of the locating tray lies on the shaft of the horizontal
5 end, there in the outer side of the vertical end set two recesses which are symmetric to the shaft line of the vertical end, there are two bump pearl in the corresponding recesses on the two side of the upright hole of the upper surface of the main body.

5. The portable player for videodisc with a screen which can rotate in upturn and/or turn around of claim 4, wherein on the outer circumference of the fix hole of the body of the upturn hinge means there is a locating protruding ear on the back side of the axes line of the horizontal end, there is a baffle plate on each side of
5 the corresponding locating ear of the upper face of the main body.

6. The portable player for videodisc with a screen which can rotate in upturn and/or turn around of claim 1 or claim 2 or claim 3, wherein there is a locating loop slot set around the outer circumference of the lower portion of the vertical end of the body of the upturn hinge means, the upper side wall of the locating loop slot
5 parallel the lower end of the upright hole of the upper face of the main body, a flexible clip stick to the locating loop slot and withstand the lower end of the said upright hole.

7. The portable player for videodisc with a screen which can rotate in upturn and/or turn around of claim 6, wherein there is a locating pole which extends downwards to limit the turning range of the head of the flexible clip.

8. The portable player for videodisc with a screen which can rotate in upturn and/or turn around of claim 6, wherein there is a baffle plate below the upright hole of the upper surface of the main body, a round-arc-like recess corresponding to the above upright hole is set on the baffle plate, the recess shelters a part of the edge
5 of vertical end hole of the body of the upturn hinge means in the upright hole, a cable crosses through the lower portion of the recess mouth to the vertical end hole of the body of the upturn hinge means.

9. The portable player for videodisc with a screen which can rotate in upturn and/or turn around of claim 1 or claim 2 or claim 3, wherein there is a recess in the centre of the front end of the display cover board, a two-way lock latch is disposed within the recess; there is a recess hole set in the centre of the front end of
5 the main body, a button hook is fixed in the recess hole, the two-way lock latch and the button hook form a two-way locking means.

10. The portable player for videodisc with a screen which can rotate in upturn and/or turn around of claim 6, wherein the two-way lock latch assumes

rectangular board shape, its lower portion includes a rectangular open, its upper portion includes a short shaft and a ladder shaft both extend outwards from two sides, the ladder of the ladder shaft includes a pair of wedge mouth which is symmetry from up to down; there is another A-shaped locating block having a shaft hole in the upper portion sleeved on a thin shaft at the outer side of the wedge mouth of the ladder shaft, the waist of the locating block has a locating wedge extending to the wedge mouth of the ladder shaft, the outer side of the locating block on the thin shaft of the ladder shaft has a spring;. button hook is a piece block whose cross section assumes an L-shape with the front end extending forwards forming a button and the rear end forming a button hook which is assorted with the open of the two-way lock and is formed of the upwards and backwards extending, the waist of the piece block extend from two side forming blocks, the rear side extends backwards forming two guide pole, there is a reposition spring on each pole; the button of the button-hook via the recess of the front end of the main body extend forwards; a end of the reposition spring withstand the back-end face of the button-hook, another end of the reposition spring withstand the support wall of the rear of the front end of the recess of the main body.